

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 124 AND GOSHEN ROAD IN MONTGOMERY COUNTY. MD 124 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN EQUIPMENT, VIDEO DETECTION CAMERA, AND BASE MOUNTED CABINET AND CONTROLLER.

THE CONTROLLER CURRENTLY OPERATES IN AN EIGHT-PHASE, FULLY ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR EASTBOUND MD 124 AND FOR BOTH APPROACHES OF GOSHEN ROAD. AN EXCLUSIVE-PERMISSIVE EXISTS FOR WESTBOUND MD 124.

AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE WEST LEG OF MD 124 AND A CONCURRET PEDESTRIAN PHASE EXISTS ACROSS THE NORTH LEG OF GOSHEN ROAD.  
THE PHASING WILL BE CHANGED TO INCLUDE AN ALTERNATE PEDESTRIAN PHASE ACROSS THE EAST LEG OF MD 124


INSTALL A NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH 6 (SIX) FOUR CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER, VIDEO DETECTION INTERFACE EQUIPMENT AND ALL OTHER NECESSARY EQUIPMENT.

[illegible]

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR  
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR  
APPROVAL PRIOR TO INSTALLATION.

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT FOR THE FOLLOWING:

<div>CONCEPTS, INC.</div> <div>Cambrills Road Suite E ills, MD 21054 923-7101</div>	<div><div>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic &amp; Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION MD 124 AT GOSHEN ROAD</div></div>
	<div><div><div>DRAWN BY: M. HOWELL</div><div>CHECKED BY: T. ZAYDEL</div><div>SCALE: NONE</div><div>DATE: 7/28/2004</div></div><div><div>F.A.P. NO.</div><div>S.H.A. NO.</div><div>COUNTY: MONTGOMERY</div><div>LOG MILE: 15522105.57</div></div><div><div>TS NO. 24138-61</div><div>T.I.M.S. NO. G415</div></div><div><div>SHEET NO.</div><div>2 OF 2</div></div></div>

**WIRING DIAGRAM**

**WIRING KEY**

- A VIDEO DETECTION 500 FT. PREMANUFACTURED CABLE
- B-C MICRO-LOOP PROBE 500 FT. LEAD-IN
- D-E 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F-G 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- EC EXISTING CABLE
- ML MICRO-LOOP PROBE
- X GROUND ROD

A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY MONTGOMERY COUNTY.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. LEE STARKLOFF  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(301) 513-7318

MR. WAYNE MOWDY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(301) 513-7304

MR. AUGIE REBISH  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(301) 513-7350

CONTACT PERSON FOR MONTGOMERY COUNTY

MR. **Wilhelm Derminassian**  
MONTGOMERY COUNTY D.P.W.  
(240) 777-8795

MR. RICHARD DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS  
(410) 787-7630

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
(410) 787-7676

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
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(410) 787-7631

MS. DARLENE EIDE  
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SIGNAL SHOP WAREHOUSE  
(410) 787-7668

MR. ED RODENHIZER  
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